

Egg Drop Lab Rubric

Achievement Level	Criterion B: Developing ideas	Criterion made simple.	Criterion C: Creating the solution	Criterion made simple.	Criterion D: Evaluating	Criterion made simple.
Criterion	<p>ii. Present a range of feasible design ideas, which can be correctly interpreted by others.</p> <p>iii. Present the chosen design and outline the reasons for its selection.</p> <p>iv. Develop accurate planning drawings/diagrams and outline requirements for the creation of the chosen solution.</p>	<p>ii. Data: Create a data table that covers the results of the tests and includes annotated sketches of other designs.</p> <p>iii. Hypothesis: what design did your group choose and why did you chose that design? (Final group drawing with labels and measurements.)</p> <p>iv. Research: what requirements are necessary to build your design?</p>	<p>iii. Follow the plan to create the solution, which functions as intended explain changes made to the chosen design and the plan when making the solution.</p> <p>iv. Present the solution as a whole.</p>	<p>iii. Procedure: what are the detailed steps to making your egg drop.</p> <p>iv. Write-up: Does your write-up include all the required parts to make a successful test for an egg drop device?(First 5 steps)</p>	<p>ii. Explain the success of the solution against the design specification</p> <p>iii. Describe how the solution could be improved.</p> <p>iv. Describe the impact of the solution on the client/target audience.</p>	<p>ii. Reports on the success of designs compared to the rest of the class.</p> <p>iii. Presents a comprehensive explanation for improvements based on detailed observations</p> <p>iv. Compares and contrasts chosen design with other successful egg drop devices</p>
0	The student does not reach a standard described by any of the descriptors below.		The student does not reach a standard described by any of the descriptors below.		The student does not reach a standard described by any of the descriptors below.	
1-2 50-60	<p>ii. Creates incomplete planning drawings/diagrams</p> <p>iii. Presents one design idea, which can be interpreted by others</p>	<p>ii. Creates incomplete data table missing multiple data points or lacking sketches of other designs</p> <p>iii. Presents final group drawing is sloppy with few to no labels, measurements, or materials</p> <p>iv. Presents sloppy diagrams with few to no labels, measurements, or materials</p>		<p>iii. Presents an incomplete design guide with vague detail</p> <p>iv. Presents an incomplete write-up</p>	<p>ii. States the success of the solution</p>	
3-4 70-75	<p>ii. Presents a few feasible design ideas, using an appropriate medium(s) or explains key features, which can be interpreted by others.</p> <p>iii. Outlines the main reasons for choosing the design with reference to the design specifications.</p> <p>iv. Creates planning drawings/diagrams or lists requirements for the chosen solution.</p>	<p>ii. Creates inadequate and/or messy data table missing a few data points or includes messy sketches</p> <p>iii. Outlines reasons for the chosen design with vague analysis. Presents final group drawing with few labels, measurements, or materials</p> <p>iv. Presents vague diagrams with few labels, measurements, or materials</p>	<p>iii. Creates the solution, which partially functions and is adequately presented.</p> <p>iv. Outlines changes made to the chosen design or plan when making the solution.</p>	<p>iii. Presents a design guide with vague detail</p> <p>iv. Presents a write-up containing the first five steps of the scientific language with minor mistakes</p>	<p>ii. Outlines the success of the solution against the design specification based on relevant product testing.</p> <p>iii. Lists the ways in which the solution could be improved.</p> <p>iv. Outlines the impact of the solution on the client/target audience.</p>	<p>ii. Outlines success of design</p> <p>iii. List vague reasons for improvements</p> <p>iv. Provides vague comparison between one successful device and their own</p>
5-6 83-88	<p>ii. Presents a range of feasible design ideas, using an appropriate medium(s) and explains key features, which can be interpreted by others.</p> <p>iii. Presents the chosen design and outlines the main reasons for its selection with reference to the design specification.</p> <p>iv. Develops accurate planning drawings/diagrams and lists requirements for the creation of the chosen solution.</p>	<p>ii. Creates functional data table with adequate annotated sketches</p> <p>iii. Explains reasoning for the chosen design. Presents final group drawing with labels, measurements, and materials</p> <p>iv. Presents diagrams with accurate labels, measurements, or materials .</p>	<p>iii. Creates the solution which functions as intended and is presented appropriately.</p> <p>iv. Outlines changes made to the chosen design and plan when making the solution.</p>	<p>iii. Presents a step-by-step design guide with detail</p> <p>iv. Presents a write-up containing the first five steps of the scientific language titled, ordered, with proper formatting</p>	<p>ii. Describes the success of the solution against the design specification based on relevant product testing.</p> <p>iii. Outlines how the solution could be improved</p> <p>iv. Describes the impact of the solution on the client/target audience, with guidance.</p>	<p>ii. Describes the success of design compared to the rest of the class</p> <p>iii. Outlines an explanation for improvements based on detailed observations</p> <p>iv. Provides a detailed comparison between two or more successful devices and their own</p>
7-8 95-100	<p>ii. Presents a range of feasible design ideas, using an appropriate medium(s) and annotation, which can be correctly interpreted by others.</p> <p>iii. Presents the chosen design and outlines the reasons for its selection with reference to the design specification.</p> <p>iv. Develops accurate planning drawings/diagrams and outlines requirements for the creation of the chosen solution</p>	<p>ii. Creates complete data table with exceptional clarity, including fully annotated, detailed sketches</p> <p>iii. Justifies reasoning for the chosen design with detailed explanation. Presents final group drawing with accurate labels, measurements, or materials in meticulous detail</p> <p>iv. Presents diagrams with accurate labels, measurements, or materials in meticulous detail.</p>	<p>iii. Follows the plan to create the solution, which functions as intended and is presented appropriately.</p> <p>iv. Explains changes made to the chosen design and plan when making the solution</p>	<p>iii. Communicates a step-by-step design guide with thorough detail</p> <p>iv. Presents a detailed write-up containing the first five steps of the scientific language titled, ordered, with proper formatting</p>	<p>ii. Explains the success of the solution against the design specification based on authentic product testing.</p> <p>iii. Describe how the solution could be improved.</p> <p>iv. Describes the impact of the solution on the client/target audience.</p>	<p>ii. Reports on the success of the design compared to the rest of the class with comprehensive detail</p> <p>iii. Presents a detailed explanation for improvements based on detailed observations</p> <p>iv. Provides a detailed comparison between two or more devices and their own, including additional detail concerning why the devices functioned the way they do</p>

